AUGUST 2013 ISSUE NO. 509

# The Raleigh Amateur Radio Society's EXCITER

## GET INVOLVED

- RARS General Membership meeting: First Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 p.m. in place of the RARS net.
- RARS meets for a monthly dinner on the 2nd Tuesday of each month.

## PUBLIC SERVICE

**2013 BikeFest**: Aug. 10

**2013 MS Bike Ride**: Sept. 7-8

**Tour d'Orange**: Sept. 21

**2013 Cycle for Life**: Oct. 5

**2013 City of Oaks Marathon**: Nov. 3

**2013 Makin' Room for Turkey Ride**: Nov. 17

To sign up or learn more, visit http://www.rars.org/public-service/ps_signup.php.

## RARS General Meeting

**What**: "Emergency Communications" by Frank Pleshe N3FRP, Wake County AUXCOMM Coordinator
**Date**: Tuesday, August 6, 2013
**Time**: Refreshments, 7:00 p.m.; meeting, 7:30 p.m.
**Where**: RLBC, Inc., 3200 Bush Street, Raleigh, NC

***VE Test Session***

## Public Service Opportunities

*By John Snellen, AI4RT*

Information about upcoming Public Service Events can be found by going to the RARS website and following the links to the Public Service Events page, http://www.rars.org/public-service.php.

A representative from the MS Society is coming to the August 6 club meeting to give a recruiting pitch for the September 7-8 MS Bike Ride.

There is still time to volunteer for the 2013 BikeFest on Aug. 10. More volunteers are needed, as 800+ riders are expected to participate!

To sign up as a volunteer for BikeFest or Bike MS, please visit www.rars.org/public-service/ps_signup.php. See you on the course!

***For pictures of the Firecracker Ride and the Velo4Yellow Ride, see page 5.***

## RARS Officers

**PRESIDENT**
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w4chx@arrl.net

**VICE PRESIDENT**
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## The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are $18 per year (from July 1 through June 30). Additional immediate family members pay $5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are $12 per year. Dues for non-licensed associate members are $9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

## *Exciter*

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Cathy Downs, KA3QPU, editor (editor@rars.org)

# For Your Information

## RARS General Meeting

**Date**: First Tuesday of each month
**Location**: **RLCB, Inc.**
3200 Bush Street,
Raleigh, NC, 27609 *New Location*
**Time**: People begin arriving at 7 p.m.
The meeting officially begins at 7:30 p.m.

## RARS Monthly Dinner

Join us on the second Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family. Feel free to bring your little ones! Dinner begins at 6:30 p.m.

Listen to the nightly RARS net and check www.rars.org for details on the next dinner's location.

## RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

## VE Testing

The RARS VEs will accept walk-in testing at the February, May, August, and November RARS meetings; the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, your $14 exam fee, and any CSCEs you have for credit. Visit www.rars.org for more information.

## Field Day 2013

Bobbie Wittich (KD4ZVW) operates the Get on the Air Station while Jeff Wittich (AC4ZO) watches.

## Events, Hamfests & Conventions

**15th Annual Cape Fear Amateur Radio Swapfest | Aug. 3**
**Location:** Fayetteville, NC
**Website:** http://www.cfarsnc.org

**NC Section Convention (Shelby Hamfest) | Aug. 31**
**Location:** Shelby, NC
**Website:** http://www.shelbyhamfest.org

**Maysville Hamfest | Oct. 13**
**Location:** Maysville, NC
**Info**.: http://www.arrl.org/hamfests/maysville-hamfest-3

**2014 Charlotte Hamfest | March 7**
**Location:** Concord, NC
**Website:** http://www.charlottehamfest.org

**2014 Raleigh Hamfest |Apr. 19**
**Location:** Raleigh, NC
**Website:** http://www.rars.org/hamfest

## June Traffic Stats

**RARS Two Meter Traffic/Ragchew Net**
Check-ins: 540
Traffic: 32/26
Minutes: 460
Sessions: 25

**Special Interest Nets**
Check-ins: 120
Minutes: 430
Sessions: 12

# News & Tidbits

### From the SWARC Mailing List

The 145.210 repeater is repaired and now ready for use, according to Danny Hampton, K4ITL, Piedmont Coastal Repeater Network.

### Excerpts from NC Section News:

**Improve Your Code**—For those looking to improve their CW skills, there is no better training tool than the daily Carolinas Slow Net (CSN). Serving both North and South Carolina, the net meets nightly at 8:00 p.m. Eastern on 3.571 MHz. The speed averages 5-8 WPM, but the Net Control Station will slow down for newcomers. This traffic net is part of the National Traffic System. Because CW net procedural signals (prosigns) are used, it's best to download a list of prosigns and "QN" signs used in traffic handling at http://www.arrl.org/files/file/Public%2520Service/fsd218.pdf. Also, CSN needs some Net Control Stations to help. To learn more visit http://bellsouthpwp2.net/r/g/rg_burns.

**QST Soon to be Available on Android**—The rise in popularity of the Android mobile operating system has prompted ARRL to develop an Android version of QST. Its release is expected this autumn and will join the Apple iPhone version already available.

*NC Section News Reprinted with Permission from Bill Morine, N2COP, ARRL North Carolina Section Manager*

## New RARS Members

| | |
|---|---|
| Eric Sherk | WO2S |
| Lowell Sayles | KJ4LZK |
| Barbara Sayles | No Call |
| Leon Whitehead | KB4KSA |
| Heather Whitaker | KJ4MVN |
| Marvin Friel Sr. | No Call |

## August Birthdays

| | | |
|---|---|---|
| Lem | KI4YXS | 08/04 |
| Lee | AK4XZ | 08/05 |
| Clement | KD4BMA | 08/08 |
| Philip | NC4UK | 08/09 |
| Ralph | KJ4TTI | 08/09 |
| Buddy | KG4BBL | 08/09 |
| Andy | AA9P | 08/10 |
| Joe | KJ4LZM | 08/11 |
| Nola | KD4OLZ | 08/12 |
| Sarah | KK4HAS | 08/14 |
| Ross | K7RAG | 08/14 |
| Paul | AE4MN | 08/15 |
| Bernard | W4BRB | 08/17 |
| Elizabeth | KK4LND | 08/19 |
| Chuck | W3WZN | 08/19 |
| Al | KE4IHX | 08/20 |
| Red | AC4QX | 08/21 |
| Mirl | W4WMA | 08/22 |
| Barry | KD4WTI | 08/22 |
| Steve | KJ4BX | 08/23 |
| Jack | KI4YXK | 08/24 |
| Peter | KJ4MDY | 08/25 |
| Don | N8DDK | 08/27 |
| Denny | W4DWC | 08/27 |
| Jack | W5WSF | 08/28 |
| Mike | KK4ETS | 08/30 |
| Dan | KD4AGQ | 08/31 |
| Sarah | KJ4WZD | 08/31 |

## 2013 Fourth of July Firecracker Ride

Riders proceed on the course near Rest Stop 3. Over 1000 riders participated in the ride. Thirteen ham volunteers provided communications, safety and rest stop monitoring for this Public Service Event.

A highway patrolman stops by the communications Trailer at Rest Stop 3. The trooper's family was volunteering at the stop, which was located in Chatham County.

## 2013 Velo4Yellow Ride -- Saturday, July 20

Riders leave the start line with their group at the start of the Velo4Yellow bike ride. Over 400 bicycle riders participated in the ride that raised over $5,000 for LIVESTRONG in the fight against cancer.

MSV (Motorcycle Support Vehicle) team captain Rick Yost (N4VKD), blue shirt, gives instructions to his riders before the start of the bike ride. From left to right, Ron Edwards, Scott Hungate (back), Rick Yost, Bob Richards. Bob Colbreath and Eric Patten were blocked by Scott's back.

Riders stop at Rest Stop #3 for replenishment before continuing. This rest stop was 52.6 miles from the starting point and 50 miles from the finish line.

Public Service Coordinator John Snellen (AI4RT), right, gives instructions to ham operators and MSV (Motorcycle Support Vehicle) operators before the start of the Velo4Yellow bike ride. Hams participating in the event were Wade Gutreuter (kk4bvr), Bob Chew (K4YXM), Brian (KA9QJT) and Elizabeth Young, Wally Smith (KJ4UKV) and Rebekah O'Connel, Rick Yost (N4VKD), Larry Holt (KG4FIQ), Gary Jacobson (KQ2P), Dan (KD4AGQ) and Marisa (KJ4TAL) Sears. Non Ham MSV operators were Ron Edwards, Bob Richards, Scott Hungate, Bob Culbreath, and Eric Patten.

# Minutes

## Board of Directors Meeting
## *Raleigh Amateur Radio Society*
## *June 18, 2013*

**Present**: Bob K4YXM, Charles WB4DCM, Chuck K4HF, Chuck W3WZN, Ken WA4JJW, Joanne AK4RJ, CJ NC4CJ, Hank K4HM, Charles WB4DCM, Selene KG4RMT, Murray K4MHM, Don WA4AVU, Karl W4CHX, Greg KE4PAX John AI4RT

**Guests**: David KF4VXJ

1. **Call to order (CJ NC4CJ)**: CJ NC4CJ, in Karl's absence, called the meeting to order at 7:00 p.m.

2. **Approval of minutes (CJ NC4CJ)**: The Minutes of the previous Board Meeting (May 21, 2013) were approved.

3. **Vice President's report (CJ NC4CJ)**: Programs for the following months are set. July: Skywarn, August: Emergency Communications by Frank N3FRP, October: Auction, December: End of year and food donations

4. **Treasurer's report (Greg KE4PAX)**: RARS currently has 341 members. If any RARS member has questions regarding the budget, please contact Greg KE4PAX or Karl W4CHX for more information.

5. **Secretary's report (Bob KI4YXM)**: No report

6. **Committee reports**:

    a. **Public Service Director (John AI4RT)**: The next event is July 4th in Cary. Events are scheduled through November. John has had to turn down several requests for a lack of available volunteers.

    b. **Public Information Officer (Ken WA4JJW)**: Field Day Publicity: The first press release has been made to media, letters have been sent to public officials. *East Wake News* will do an article on the event.

    c. **Education Director (Murray K4MHM)**:
        a. Murray is developing a cooperative effort between RARS and Boy Scouts/Girl Scouts
        b. Upcoming licensing course for the Red Cross, NCSU club and SAS.
        c. Regarding a donation to Commercial Space Club at NCSU, we haven't been able to make it work yet. Maybe CJ can help.
        d. Mike WA4BPJ will have a general class license course for Oct. 2013.

    d. **Field Day Chair (Bob W4TTX)**: Based on his email communication (which was edited by Karl W4CHX), Bob W4TTX reported that, due to a family illness, he would not be able attend the RARS Board meeting nor the upcoming Field Day (FD) events.

    With regard to the Field Day plans, a 15m bandpass filter has been ordered, which should arrive before Field Day. The filter should be given to Curt W4CP for use at his station. The other six (6) bandpass filters and items for the antenna launcher contest have been transferred to Karl W4CHX for transport to the Field Day site. Karl W4CHX will emcee the antenna launcher event.

    The band captains are listed on the RARS website. The only change is that Curt W4CP will be doing 15m and 80m PHONE. Dave Eckert, KB8V will not be present due to business; he has

arranged for some hams to operate 40m CW, but needs help setting up on Friday. Dave Thomas will also need help erecting his 6-element 6m beam.

Food for Friday night (pizza and wings) will be ordered by Bob W4TTX and delivered around 6:00 pm. Tables, etc., will need to be set up for the dinner. Vianne and Dale Pendleton are handling the Saturday night dinner and Sunday lunch as usual.

Dennis NC4DK has arranged for the delivery of 2 portable toilets on Friday. Bob W4TTX wants one designated for men, and the other for women.

The Red Cross will deliver the generators on Friday between approximately 11:00 a.m. and 1:00 p.m. Bob W4TTX has informed the band captains that they will need to supply gas and electrical cords. As an aside, Murray K4MHM has contacted Darryl Maddox and they are working on setting up a licensing class for interested parties at the Red Cross. The Red Cross will have their ERV (Emergency Response Vehicle) on site for Field Day, although they were not sure when they might get there.

David KF4VXJ has done a good job with water, drinks, and some snack foods. He will also copy the ARRL FD Bulletin.

Paul Mobus will be doing traffic again this year and Dennis NC4DK will bring a VHF antenna and radio for him to use. For these purposes, the military mast used during the antenna-launching contest will be used.

Bob W4TTX will send an email to the band captains asking them to make sure they have operator logs on site to collect the names, call signs, ARES status, and youth status of their operators.

In conclusion, Bob W4TTX reported, “We are ready for Field Day. Let the games begin!”

e. **FM Repeater Chair (Karl W4CHX)**: We still need workers at Bayleaf. All equipment is available. We plan to install two antennas at Bay Leaf site vs. the one today. We will need a wind loading evaluation to complete this.

f. **RARSFest Chair (John AI4RT)**: First 2014 RARSFest organizing meeting is on September 23.

g. **Exciter Chair (Cathy KA3QPU)**: Please send articles. Getting into Amateur Radio News Service, K4HF suggested the RARS Exciter be submitted to the Amateur Radio Newsline for their Annual Newsletter Competition if it still exists. RARS has done that in the past, several years ago and done well. http://www.arnewsline.org/. RARS makes an annual contribution to this organization.

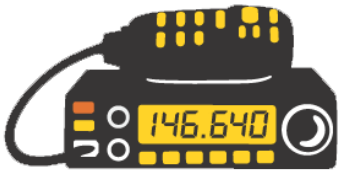
h. **Hospitality Chair (Charles WB4DCM)**: Charles passed about the new log showing who comes to membership meetings.

i. **Net Manager (Mary KG4OQA)**: No report.

j. **ARRL Liaison (Chuck K4HF)**: Learned that Dan Henderson, N1ND, of ARRL HQS will be heading up the event planning for the ARRL 100th Anniversary Celebration in 2014.

k. **At-Large Director (Don WA4AVU)**: No report.

l. **At-Large Director (Jack N6UYB)**: No report. Karl W4CHX asked everyone to keep Jack N6UYB in one’s thoughts and prayers.



m. **Food service (Joanne AK4RJ)**: No report.

n. **At-Large Director (Bill AK4BL)**: No report.

o. **W4DW/W4RNC Trustee (Jeff AC4ZO)**: No report.

p. **RARS VE Coordinators (Joe WA4GIR and Liz KO4CK)**: No report.

q. **RARS Webmaster (Hank K4HM)**: No report.

r. **North Carolina QSO Party (Marty W4MY)**: No report.

7. **Old business**:

   a. **Liability insurance for RARS Greg KE4PAX)**: Greg expressed his thanks to Charlie for his help. Our insurance has been renewed. Greg feels that we have sufficient coverage. A soft copy of policy is on the web site. We have the coverage we need except automobiles are not covered. After some discussion, the consensus is we stay as we are.

   b. **NC Maker Faire 2013 (Karl W4CHX)**: Karl reported that he felt it was a "Great Event." Chuck, Alan, Murray, Bill, Joanne, Nate, Steve, and Karl participated. There was more action in the morning than afternoon. There were many hams working the crowd. Many were not affiliated with RARS. Many EE and CompSic from NCSU were there. We are committed to participating next year. Joanna's photo book was very helpful for illustrating various points. If some people participating paid to attend, the club should compensate them. Selene KG4RMT made a motion that we compensate anyone who paid and helped man the table. The motion was seconded by Charlie and passed without descent.

   c. Greg will schedule the financial review before next meeting.

   d. Need to figure out what equipment we want to have covered under insurance.

8. **New business**:

   a. Should RARS make a club logo patch available? Perhaps via Land's End for shirts and jackets. Murray will get some examples together for review at the next board meeting.

9. **Any other business**: None

10. **Board member's comments**:

    a. **Joanne AK4RJ**: RARS club dues are due.
    b. **Murray**: 40M CW (Field Day) needs operators.
    c. **Greg** reported that our 990 tax forms are on the web site Guide star.
    d. We **need to tell the Lions Club what to expect for meeting times**. Typically Board meetings go from 7:00 p.m. to 9:00 p.m. Membership meetings will go from 7:00 to 9:00 also. Both will require about 15 minutes of setup prior to the meeting. An exception is the July meeting, which will go to 9:30.
    e. The sponsors of **House Bill 664** have assured us that there is **no impact on us**.
    f. **David KF4VXJ** is in the final stages of securing donation for Field Day.

11. **Adjournment (Karl W4CHX)**: The meeting was adjourned at 8:42 p.m.

# Minutes

## General Membership Meeting
## *Raleigh Amateur Radio Society*
## *July 2, 2013*

1. **Call to order**: Karl W4CHX called the meeting to order at approximately 7:30 p.m.

2. **Approval of minutes**: The Minutes of the RARS General Membership meeting on June 4, 2013, were approved.

3. **Vice President's report (CJ NC4CJ)**: None

4. **Treasurer's report (Greg KE4PAX)**: Greg KE4PAX reported that currently 208 members have renewed their membership. If any RARS member has any questions, please contact Greg KE4PAX or Karl W4CHX for further information.

5. **Announcements (Karl W4CHX)**:

    a. **Upcoming RARS events and hamfests**: Karl W4CHX reminded everyone to see the Exciter or the ARRL website for further information.

    b. **After meeting gathering**: The after meeting gathering will be held at Applebee's, Six Forks and Wake Forest Roads (by the Costco).

    c. **Guests**: Guests at the meeting included: Phillip KE5DPP, Wade Daniel, Alice KJ4GKI, Wayne KK4PWA, Ed KI4WIB, Jim KJ4BYM, Adam NC4AK, Will KK4QBC, and Eric WO2S.

    d. **First Alliance** is reviewing availability of meeting space to outside groups and the church's mission in community.

    e. **Maker Faire** was a very worthwhile event.

    f. **Field Day**. Bob W4TTX will have a complete report at the next meeting.

6. **Any other business**: None.

7. **Drawing**: The winners of the drawing were: Cliff W4FT and Sam Hand.

8. **Program**: The program, "Spotter Training," was presented by Virginia NC4VA.

9. **Adjournment**: The meeting was adjourned at 9:05 p.m.

# RARS Classifieds

**RARS Members: Post a new 30 day listing or Edit your current listings at www.rars.org/classifieds.php. The items below were listed within the last 30 days.**

**Interdisciplinary Listing - Woodworking**
Posted July 24th, 2013 by: W2UF
Contact: hmentha@nc.rr.com
I have run out of space in my wood and metal shop, so I must "retire" some equipment that is not used frequently.

**Bridgewood BW-2S Spindle Shaper** - excellent condition

1.5 HP 208 vAC 1 Ph w/reversing switch
1/2" and 3/4" spindles, 1/2" collet chuck
carbide cutter for raised-panel doors
carbide cutters for rail/stile joinery on cabinet doors; dust collector hood, shop made rolling stand w/locking casters, wrenches, mfgs manual; Photos of machine and tooling available upon email request.
Willing to go 50c on the dollar vs original sales receipt.
Pick up at my shop for $750

**13.6 vDC and +/- 15 vDC Power Supplies**
Posted July 24th, 2013 by: W2UF
Contact: hmentha@nc.rr.com
Photos of these items upon email request, no spec sheets available:
1. an **AEROTRON 13.6 vDC** rack-mount ... "hefty" lil sucker ... 110 vAC primary circuit breaker ... secondary glass fuse rated 30A.
2. two **+/- 15 vDC** ADSL Internet Access Power Supplies Rev 2 ... s/n 1144 and 1145 ... Aware Inc, with labeling from Sierra West Power Systems
These were gifts from Bill K4CIA, for projects that I have abandoned. I checked with Bill and he has no further use for them and suggested they be offered in trade for some form of adult beverage.
I have not powered-up or tested these items, so they carry no warranty expressed or implied. Available for pickup at my QTH.

**Several items looking for good homes**
Posted July 21st, 2013 by: W2UF
Contact: hmentha@nc.rr.com
(2) DYCOMM **"Super D" VHF amplifiers** ... kits circa 1974 ... one built, one unbuilt in box ... the only info I could find about these amps is online in the 73-magazine archive: http://archive.org/stream/73-magazine-1974-07/07_July_1974_djvu.txt ... [best offer]
(1) US JAN **CHS-811** ... NOS ... 'family heirloom' ... acquired surplus in early 1950's ... [$20 OBO]
(1) Telex **hy-gain 3-el 10/15/20 meter Yagi** Model TH3JRS "Thunderbird Junior" on ground, disassembled, with manual ... worked fine before removal from tower ... [$ 225] ... compare to DXEngineering and hy-gain retail @ $360
(1) Telex **hy-gain 4-el 20 meter Yagi** Model 204BAS ... on ground, disassembled, with manual ... worked fine before removal from tower ... [$ 325] ... compare to AES @ $500 and hy-gain retail @ $540
(2) lengths of **Belden 9913** coax ... removed from tower ... guessing 75 - 100 ft each ... [best offer]
(1) **HAM-IV Rotator**, Control Box and approx 75' control cable ... recently reconditioned by Richard Kitchen ... [$525 firm] ... compare without cable to HRO @ $600 and hy-gain retail @ $650
**All items sold "as is"** ... the usual disclaimers apply ... "your mileage may vary", etc.
Interested? View and purchase at my QTH ... confirmed purchase “unseen” can be delivered to next RARS meeting.

**BIG Old Homebrew high current power supply**
Posted July 18th, 2013 by: K4HM
Contact: hank@k4hm.net
I built this high current power supply back around 1975. It uses a 2 KVA variac to feed a 1.5 KVA transformer into a bridge rectifier made of old GE high current diodes.
It is in my garage. See it at
http://k4hm.net/BigPowerSupply.htm
The parts alone are worth well over $100. **But it must go!**
Make Offer !
Thanks, Hank

**DB-705 UHF Mobile antenna**
Posted July 16th, 2013 by: AJ4HK
Contact: aj4hk@hotmail.com
- DB-705 UHF mobile Antenna
ANTVHF - DB-705 UHF antenna ANTVHF - DB-705 UHF mobile antenna Have NEW in the original tube, a Decibel Product DB-705 UHF antenna.
It is complete and still in original package and tube.
Covers the 70cm band, 5 db gain.
Asking $25.00 or OBO.
Dennis, aj4hk, 919-526-2860

**ICOM IC-207H VHF/UHF with Dual-Band Mobile Antenna**
Posted July 6th, 2013 by: W3XXX
Contact: W3XXX@arrl.net
Selling my IC-207H in very good condition. Will include mobile antenna. Price is $220 for both.

Call me at 201-960-3539 or email at strong.material@gmail.com, Alex

# LOCAL AMATEUR RADIO NETS

The **Apex Emergency Response Communications Net** meets weekly each Sunday at 9 p.m. on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints' disaster relief efforts. All stations are invited to participate in this net.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 p.m. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

Please join us each Tuesday at 9:15 p.m. on the 146.880 repeater for the **Central Carolina SKYWARN** net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

The **PCTN (Piedmont Costal Traffic Net)** meets daily at 9 p.m. on the 146.880 repeater. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 repeater at 8:30 p.m.

Join us every evening at 8 p.m. on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.

The **Wake County ARES Net** meets Thursdays at 9:15 p.m. (after the PCTN TrafficNet) on the 146.88 repeater. We provide discussion and training for the implementation and provision of emergency communications for our served agencies, such as the American Red Cross and the local and state Emergency Operations Center. Please join us. For more information please visit http://www.wakeares.org.

## Want to be a Published Author?

What's your favorite aspect of amateur radio? Emergency communications or home-brewing radios? Contesting or Special Events stations? Why not share your interests, knowledge, and experience with other hams in the *Exciter*?

Both technical and non-technical articles are needed for the *Exciter*. You could write up a short piece on your experience SAGing at a bike-a-thon or an in-depth piece about putting up an antenna in your attic. We'll take articles of any length!

To submit an article, just email your piece to the Editor (editor@rars.org). Please feel free to attach any appropriate pictures or graphics. Be sure to include caption information about the images and identify the people in photographs. And always obtain their permission to use their image.

We look forward to learning from each other and broadening our club's knowledge base! Break out those pens, pencils, or keyboards and get writing!

## RARS Classifieds

Want to add a new radio to your shack? Have an antenna for sale? Browse the RARS classifieds for new and used radio equipment at http://rars.org/classifieds.php or see p. 10 of this newsletter for current listings.

RARS members may post notices about equipment they are selling. Posts last for 30 days and are editable at any time.

Using our classifieds is a great way for buyers to search for available items and for sellers to reach a local, targeted audience.

The Raleigh Amateur Radio Society's EXCITER

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